

## **REMARKS**

Claims 1 - 28, 30 and 32-62 are pending in the application. Claims 1 - 6, 8-21, 23-28, 30, 32-40, 42-53 and 44-62 stand rejected. Claims 7, 22, 41 and 54 are considered allowable but objected to as depending from a rejected base claim. Claims 1, 5-6, 15, 20-21, 27-35, 39-40, 48, 52-53, 61 and 62 are canceled without prejudice. Claims 2-3, 7-9, 12, 16-18, 22, 24, 36-37, 41-45, 49-50, and 54-59 are amended. No new matter has been added.

Claim 7 is rewritten in independent form.

Claim 7 is further amended to clarify for the purpose of the claimed invention that high-g shock is one g or more.

Claim 22 is rewritten in independent form.

Claim 22 is further amended to clarify for the purpose of the claimed invention that high-g shock is one g or more.

Claim 41 is rewritten in independent form.

Claim 41 is further amended to clarify for the purpose of the claimed invention that high-g shock is one g or more.

Claim 54 is rewritten in independent form.

Claim 54 is further amended to clarify for the purpose of the claimed invention that high-g shock is one g or more.

## **35 USC § 112 REJECTIONS**

Claims 1-26 and 35-61 stand rejected under 35 USC § 112, second paragraph, as

being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The examiner considers the term “high-g shock” recited in claims 1, 15, 35, 48 and 61 as relative and thus the claims are indefinite. Applicant has canceled the rejected independent claims. The rewritten allowable claims 7, 22, 41 and 54 clarify the term as meaning a level of one g or more. Support for the clarification is in the application at page 3, lines 15-19 where high-g shocks are distinguished from sub-g vibrations.

### **35 USC § 102 and 103 REJECTIONS**

Claim 62 stands rejected under 35 USC § 102(b) as being anticipated by *Won* (US 4,310,066). The claim is canceled without prejudice.

Claims 1-3, 5, 12, 13, 48, 50, 52, 59 and 61 stand rejected under 35 USC § 103(a) as being unpatentable over *Mazzagatti et al.* (US 3,144,090) in view of *Wassell* (US 4,779,852).

Claims 4, 6, 51 and 53 stand rejected under 35 USC § 103(a) as being unpatentable over *Mazzagatti et al.* (US 3,144,090) in view of *Wassell* (US 4,779,852) and further in view of *Carpenter et al.* (US 5,463,193).

Claims 8, 14-16, 18, 20, 24-26, 35-37, 39, 45-47, 49, 55 and 60 stand rejected under 35 USC § 103(a) as being unpatentable over *Mazzagatti et al.* (US 3,144,090) in view of *Wassell* (US 4,779,852) and further in view of *Hall, Jr.* (US 4,163,206).

Claims 9-11 and 56-58 stand rejected under 35 USC § 103(a) as being unpatentable over *Mazzagatti et al.* (US 3,144,090) in view of *Wassell* (US 4,779,852) and further in view of *Alft et al.* (US 6,315,062).

Claims 17, 23, and 42-44 stand rejected under 35 USC § 103(a) as being unpatentable over *Mazzagatti et al.* (US 3,144,090) in view of *Wassell* (US 4,779,852) and

further in view of *Hall, Jr.* (US 4,163,206) and further in view of *Alft et al.* (US 6,315,062).

Claims 27, 28, 30 and 32-44 stand rejected under 35 USC § 103(a) as being unpatentable over *Mazzagatti et al.* (US 3,144,090) in view of *Hall, Jr.* (US 4,163,206) and further in view of *Alft et al.* (US 6,315,062).


With respect to all claims rejected under 35 USC § 103, Applicant submits that the amendment moots the rejection, because all rejected claims are either canceled or now depend from a claim already considered by the Examiner as being allowable over the art of record.

### **CONCLUSION**

For all of the foregoing reasons, applicant submits that all remaining claims are allowable over the prior art of record. A check for the fee associated with the petition for an extension of time is submitted herewith, and no other fee is believed due for filing this response. The Commissioner is hereby authorized to charge any additional fee due for this response or credit any overpayment to Deposit Account No. 13-0010 (IO-1058US).

Date: June 1, 2004

Respectfully submitted,



Todd A. Bynum, Reg. No. 39,488  
Madan, Mossman & Sriram, P.C.  
2603 Augusta, Suite 700  
Houston, Texas 77057-5638  
Tel: (713) 266-1130  
Fax: (713) 266-8510  
Attorney For Applicants